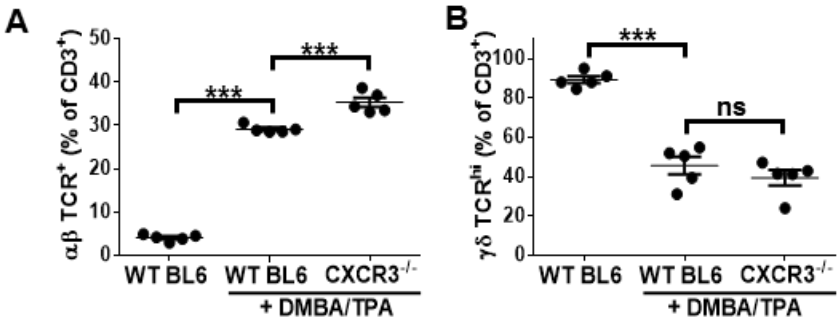
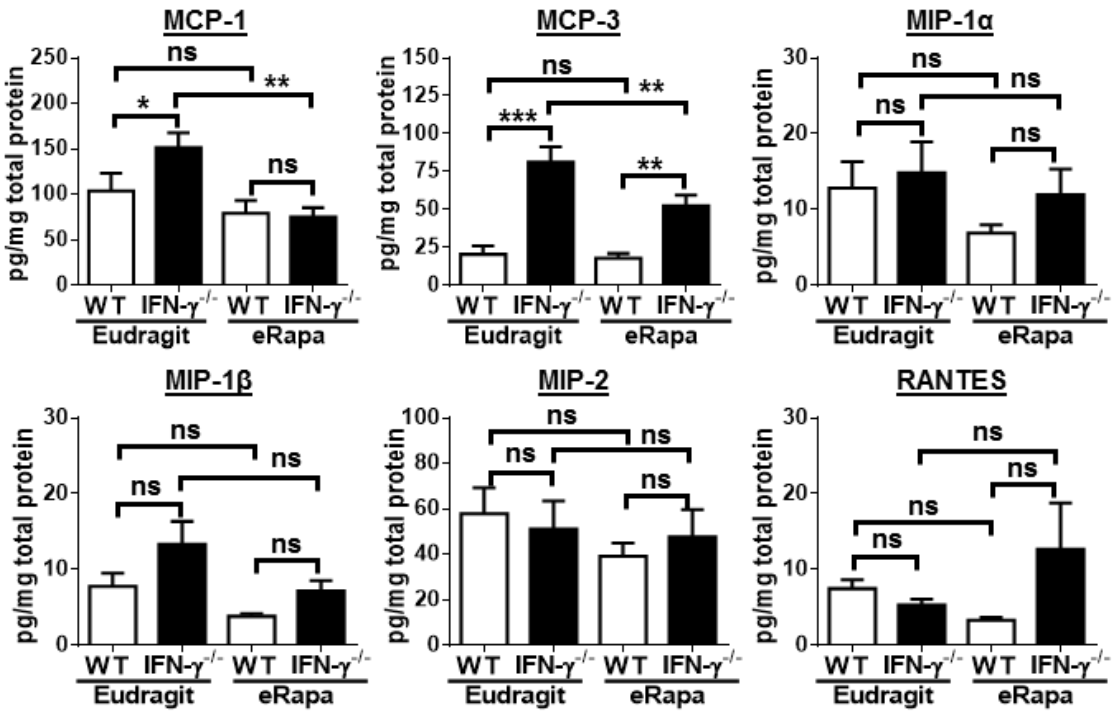
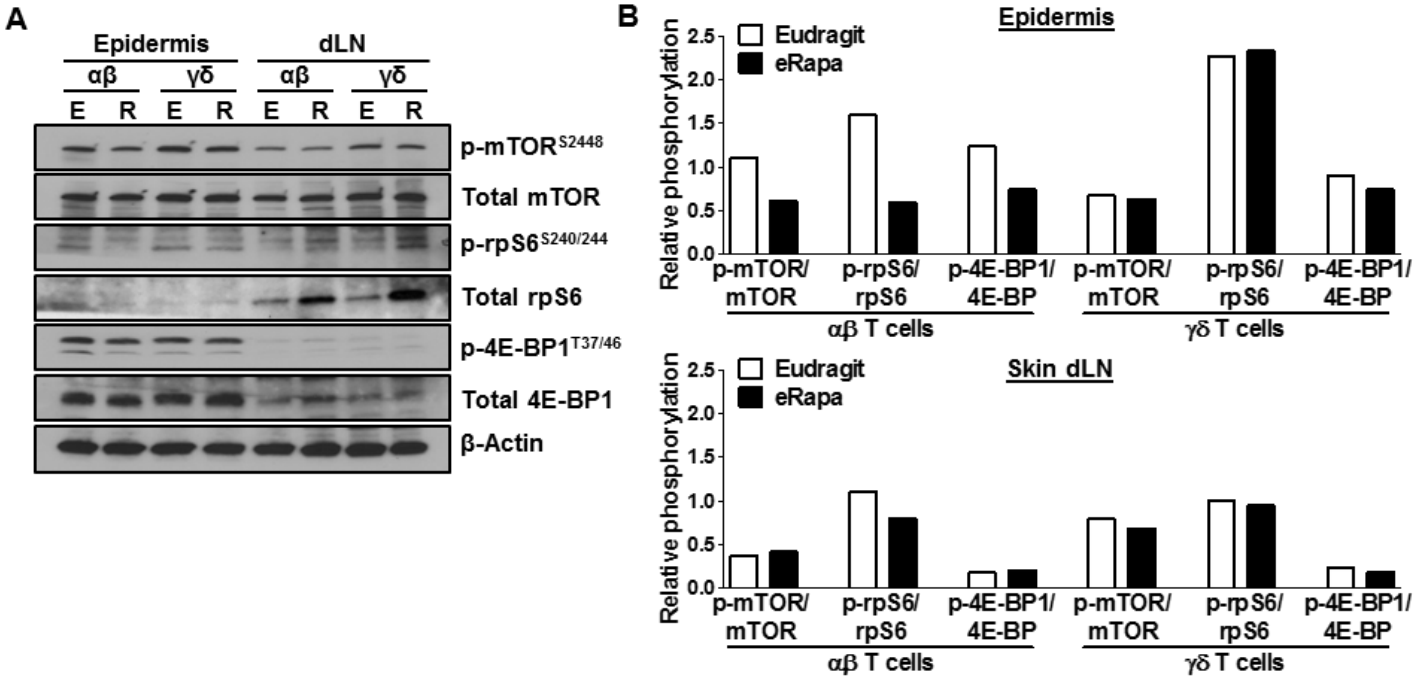
Supplementary Data:



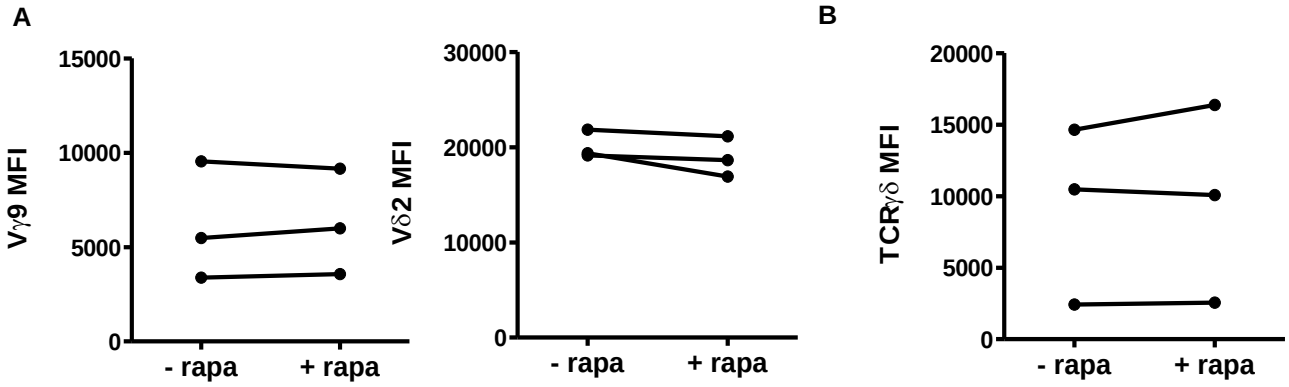
Supplementary Figure 1. DMBA/TPA modulation of epidermal αβ and γδ TCR^{hi} T cells in WT and CXCR3$^{-/-}$ mice. Digested epidermis from WT and CXCR3$^{-/-}$ mice given short-course DMBA/TPA (DMBA plus 6x TPA). **A,** Frequency of CD45^{+}CD3^{+}αβ TCR^{+} T cells, N=5/group. **B,** Frequency of CD45^{+}CD3^{+}γδ TCR^{hi} T cells, N=5/group. *p*-values, one-way ANOVA with Neuman-Keuls post-test. ns, not significant, ***p<0.001. Error bars, means ± s.e.m.



Supplementary Figure 2. Epidermal chemokines in WT and IFN-$\gamma^{-/-}$ mice treated with Eudragit control or eRapa. Epidermal concentrations of MCP-1, MCP-3, MIP-1α, MIP-1β, MIP-2, and RANTES evaluated by Luminex, N=8/group. *p*-values<0.05 for MCP1 and MCP3 only, one-way ANOVA with Neuman-Keuls post-test. ns, not significant, **p*<.05, ***p*<0.01, ****p*<0.001. Error bars, means ± s.e.m.



Supplementary Figure 3. mTOR signaling in epidermal and draining lymph node T cells. WT mice on Eudragit control or eRapa given DMBA and 3 TPA applications. **A**, Sorted αβ or γδ T cells from epidermis or skin draining lymph nodes (dLN) blotted for indicated proteins. Each column represents $1.5x10^6$ cells combined from 10 mice on Eudragit control or eRapa. E, Eudragit. R, eRapa. **B**, Western blot quantification from (A).



Supplementary Figure 4. γδ TCR surface expression on cultured human γδ T cells. Peripheral blood mononuclear cells were expanded with isopentenyl pyrophosphate triammonium salt (IPP) and human recombinant IL-2 ± 0.5 nM rapamycin for 14 days. **A**, γδ T cell cultures from 3 normal subjects assessed by flow cytometry with anti-human Vγ9 (left) and Vδ2 (right), expressed as mean fluorescence intensity (MFI). **B,** γδ T cell cultures from 1 normal subject and 2 patients with muscle-invasive bladder cancer assessed by flow cytometry with anti-human γδ TCR, expressed as MFI.